Claims

1. Gas turbine combustion chamber (4) with a manhole (27) as access to a combustion chamber interior (24), which may be sealed with a manhole cover (28), characterised by an inner cooling chamber (31) of the manhole cover (28).

2. Gas turbine combustion chamber (4) according to Claim 1, characterised by a wall cooling chamber (26) of a combustion chamber wall (23).

3. Gas turbine combustion chamber (4) according to Claim 2, characterised in that the inner cooling chamber (31) of the manhole cover (28) can be connected for fluid flow purposes to the wall cooling chamber (26) of the combustion chamber wall (23).

4. Gas turbine combustion chamber (4) according to Claim 3, characterised in that the inner cooling chamber (31) of the manhole cover (28) can be directly connected to the wall cooling chamber (26) of the combustion chamber wall (23) by inserting the manhole cover (28) into the manhole (27).

5. Gas turbine combustion chamber (4) according to one of Claims 2 to 4, characterised by a fixing element (43) which supports at least one cover element (29, 30) of the manhole cover (28) against the combustion chamber interior (24), and simultaneously holds a liner element (25) adjacent to the manhole cover (28) against the combustion chamber wall (23).

6. Gas turbine combustion chamber (4) according to Claim 5, characterised in that the cross-section of the fixing element (43) is configured at least as essentially U-shaped, whereby a first side of the U (44) supports the cover element (29, 30) and a second part of the U (45) holds the liner element (25).

7. Gas turbine combustion chamber (4) according to Claim 5 or 6, characterised in that an element (44, 45) of the fixing element (43) projects into the manhole (27) such that a cover liner (3) of the manhole cover (28) is supported against the combustion chamber interior, and the manhole cover (28) can be removed from the manhole (27).